

FIRST CHOICE IN ALL ENVIRONMENTS

BASIC

INDUCTIVE SENSORS

KEY ADVANTAGES

Classics, Extra Distance and Full Inox

- ✓ High quality ASIC sensors
- ✓ IO-Link (Classics and Full Inox)
- ✓ Exceptional price-performance ratio
- ✓ Excellent accuracy
- ✓ Outstanding temperature compensation
- ✓ Vibration and shock resistant
- ✓ Long operating distance

Full Inox

- ✓ Extremely robust one-piece stainless-steel housing
- ✓ Corrosion resistant
- ✓ IP 68 and IP 69K, sea water resistant
- ✓ Pressure resistant up to 80 bar

RANGE OVERVIEW	Housing size	Classics	Extra Distance	Full Inox
BASIC	Ø 6.5 mm	p. 31-35	p. 35	
	M8	p. 35-41, 43-44	p. 42-45	p. 41
	C8	p. 45-46	p. 46	
	M12	p. 47-51	p. 50-54	p. 47-48
	M18	p. 54-57	p. 57-59	p. 55
	M30	p. 59-61	p. 61-64	p. 60
	C44	p. 65-66		

FAMILY

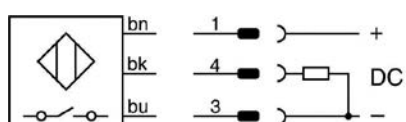
HOUSING SIZE MM

OPERATING DISTANCE MM

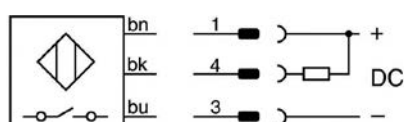
INDUCTIVE

WIRING DIAGRAMS

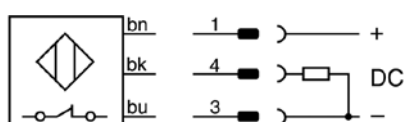
PNP NO



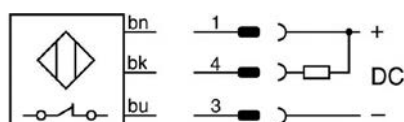
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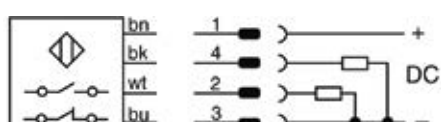
PNP NC



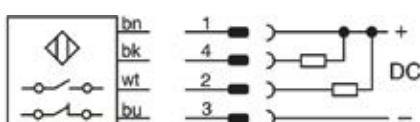
NPN NC



PNP Changeover



NPN Changeover



DATA

Housing material

Connection

Degree of protection

Mounting

Max. switching frequency

Supply voltage range

Ambient temperature range

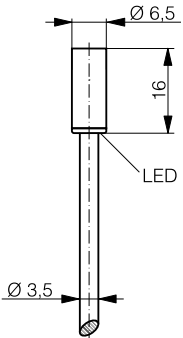
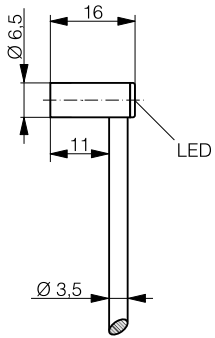
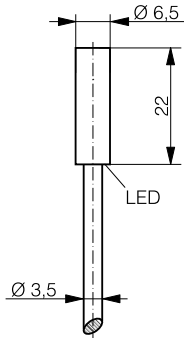
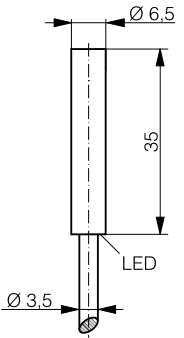
Output current

PNP NO

NPN NO

Other types available

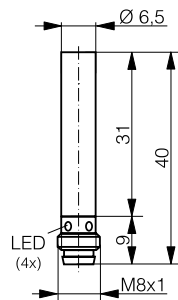
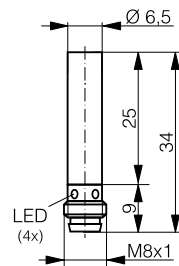
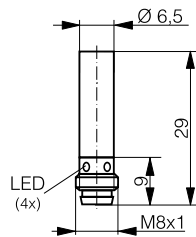
BASIC

CLASSICS	CLASSICS	CLASSICS	CLASSICS	Inductive
Ø 6.5	Ø 6.5	Ø 6.5	Ø 6.5	
1.5	1.5	1.5	1.5	
				Photoelectric
				Ultrasonic
				Capacitive
				Safety
				RFID
				Connectivity
				Accessories
Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	
PVC cable	PVC cable	PVC cable	PVC cable	
IP 67	IP 67	IP 67	IP 67	
Embeddable	Embeddable	Embeddable	Embeddable	Glossary
5000 Hz	5000 Hz	5000 Hz	5000 Hz	
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	
DW-AD-603-065-120	DW-AD-603-065-400	DW-AD-603-065-121	DW-AD-603-065	Index
DW-AD-601-065-120	DW-AD-601-065-400	DW-AD-601-065-121	DW-AD-601-065	
PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC, length 30 mm	

BASIC

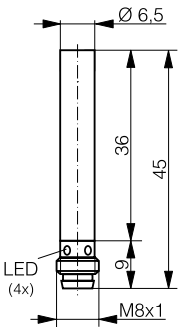
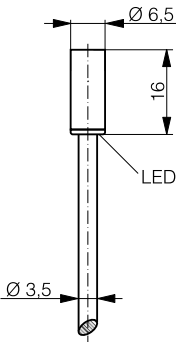
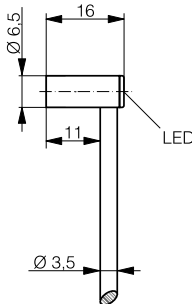
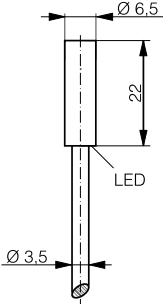
INDUCTIVE

FAMILY	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE MM	Ø 6.5	Ø 6.5	Ø 6.5
OPERATING DISTANCE MM	1.5	1.5	1.5



DATA			
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connection	Connector S8	Connector S8	Connector S8
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	5000 Hz	5000 Hz	5000 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	DW-AS-603-065-129	DW-AS-603-065-123	DW-AS-603-065-124
NPN NO	DW-AS-601-065-129	DW-AS-601-065-123	DW-AS-601-065-124
Other types available	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC

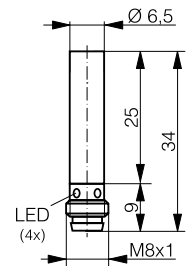
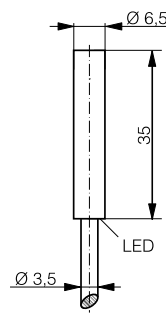
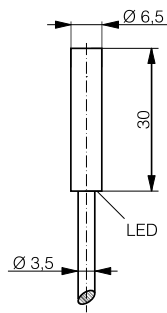
BASIC

CLASSICS	CLASSICS	CLASSICS	CLASSICS	Inductive
Ø 6.5	Ø 6.5	Ø 6.5	Ø 6.5	
1.5	2	2	2	
				Photoelectric
				Ultrasonic
				Capacitive
				Safety
				RFID
				Connectivity
				Accessories
Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	
Connector S8	PVC cable	PVC cable	PVC cable	
IP 67	IP 67	IP 67	IP 67	
Embeddable	Embeddable	Embeddable	Embeddable	Glossary
5000 Hz	5000 Hz	5000 Hz	5000 Hz	
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	
DW-AS-603-065-001	DW-AD-623-065-120	DW-AD-623-065-400	DW-AD-623-065-121	Index
DW-AS-601-065-001	DW-AD-621-065-120	DW-AD-621-065-400	DW-AD-621-065-121	
PNP NC, NPN NC, S12	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	

BASIC

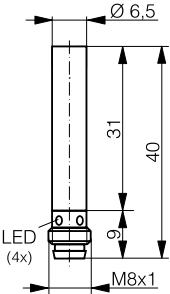
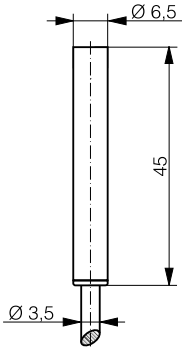
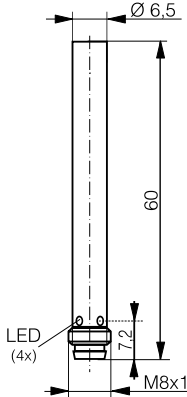
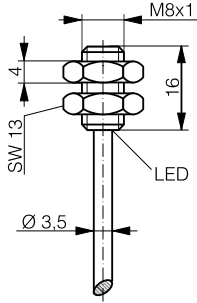
INDUCTIVE

FAMILY	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE MM	Ø 6.5	Ø 6.5	Ø 6.5
OPERATING DISTANCE MM	2	2	2



DATA			
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connection	PVC cable	PVC cable	Connector S8
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	5000 Hz	5000 Hz	5000 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	DW-AD-623-065-122	DW-AD-623-065	DW-AS-623-065-123
NPN NO	DW-AD-621-065-122	DW-AD-621-065	DW-AS-621-065-123
Other types available	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC length 29 mm

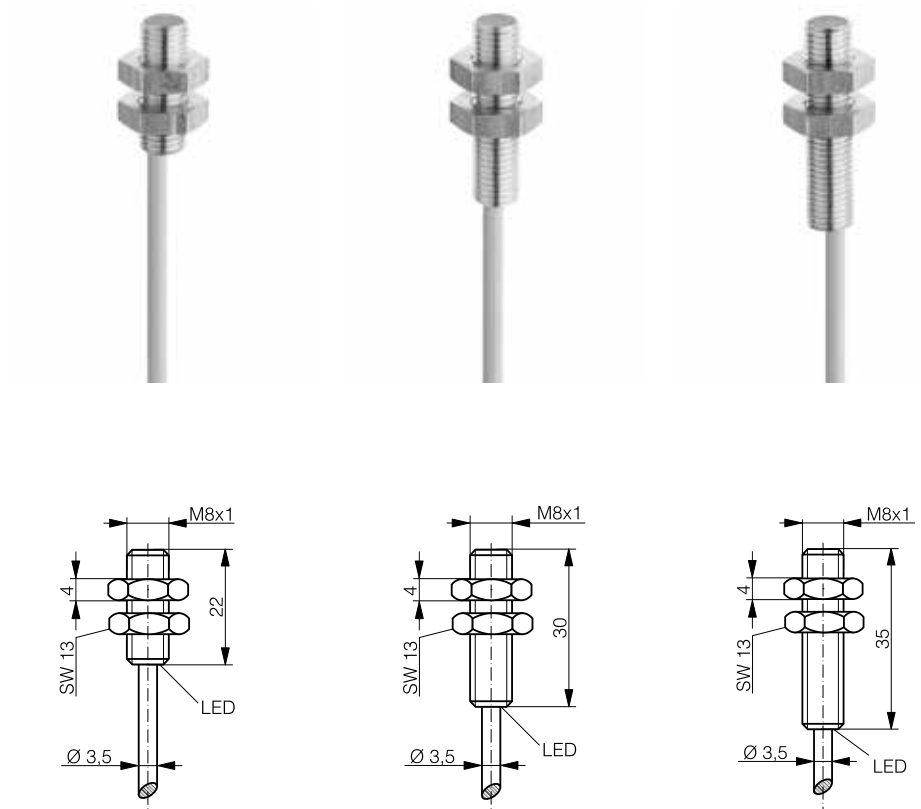
BASIC

CLASSICS	EXTRA DISTANCE	EXTRA DISTANCE	CLASSICS	Inductive
Ø 6.5	Ø 6.5	Ø 6.5	M8	
2	3	3	1.5	
				Photoelectric
				Ultrasonic
				Capacitive
				Safety
				RFID
				Connectivity
				Accessories
Stainless steel V2A	Chrome-plated brass	Chrome-plated brass	Stainless steel V2A	
Connector S8	PVC cable	Connector S8	PVC cable	
IP 67	IP 67	IP 67	IP 67	
Embeddable	Quasi-embeddable	Quasi-embeddable	Embeddable	
5000 Hz	1000 Hz	1000 Hz	5000 Hz	
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	
DW-AS-623-065-124	DW-AD-503-065	DW-AS-503-065-001	DW-AD-603-M8-120	
DW-AS-621-065-124	DW-AD-501-065	DW-AS-501-065-001	DW-AD-601-M8-120	
PNP NC, NPN NC length 45 mm, S12	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	

BASIC

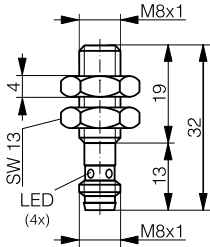
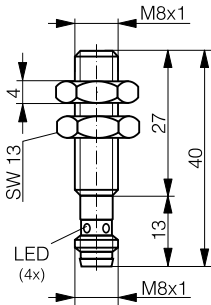
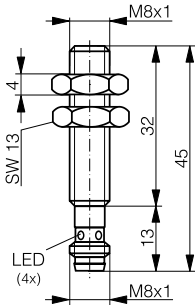
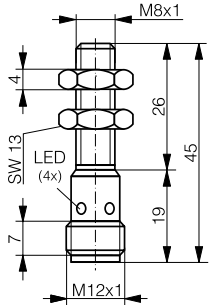
INDUCTIVE

FAMILY	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE	M8	M8	M8
OPERATING DISTANCE MM	1.5	1.5	1.5



DATA			
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connection	PVC cable	PVC cable	PVC cable
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	5000 Hz	5000 Hz	5000 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	DW-AD-603-M8-121	DW-AD-603-M8-122	DW-AD-603-M8
NPN NO	DW-AD-601-M8-121	DW-AD-601-M8-122	DW-AD-601-M8
Other types available	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC

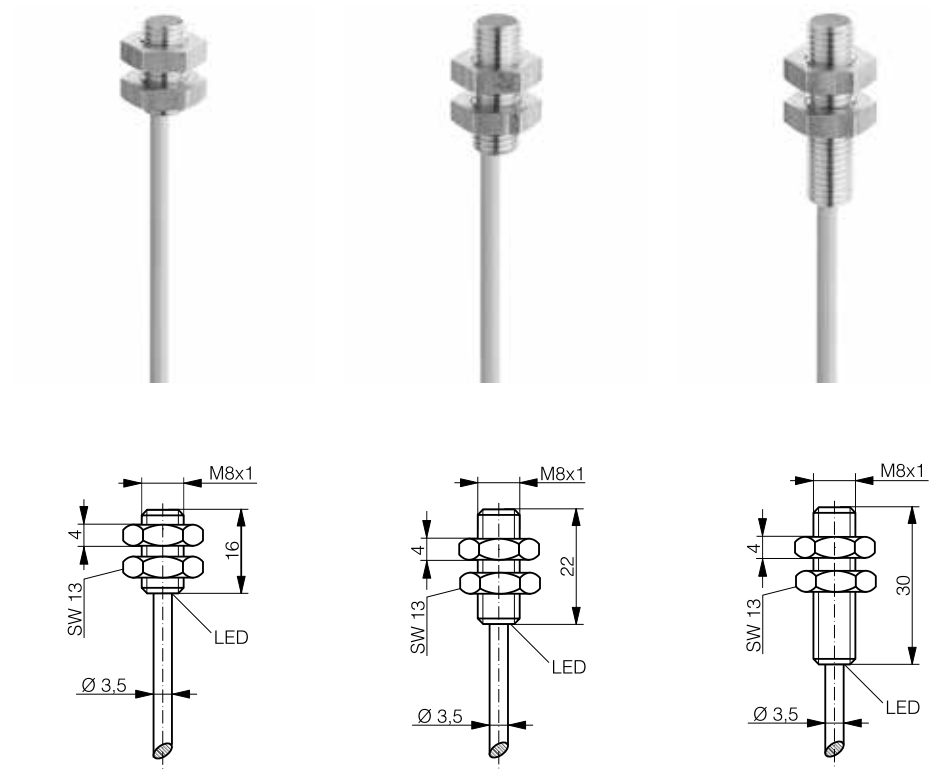
BASIC

CLASSICS	CLASSICS	CLASSICS	CLASSICS	Inductive
M8	M8	M8	M8	
1.5	1.5	1.5	1.5	
				Photoelectric
				Ultrasonic
				Capacitive
				Safety
				RFID
				Connectivity
				Accessories
Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	
Connector S8	Connector S8	Connector S8	Connector S12	
IP 67	IP 67	IP 67	IP 67	
Embeddable	Embeddable	Embeddable	Embeddable	
5000 Hz	5000 Hz	5000 Hz	5000 Hz	
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	
DW-AS-603-M8-123	DW-AS-603-M8-124	DW-AS-603-M8-001	DW-AS-603-M8	
DW-AS-601-M8-123	DW-AS-601-M8-124	DW-AS-601-M8-001	DW-AS-601-M8	
PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC, length 39 mm	

BASIC

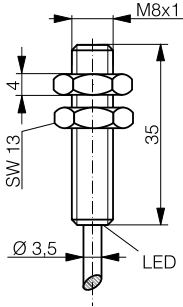
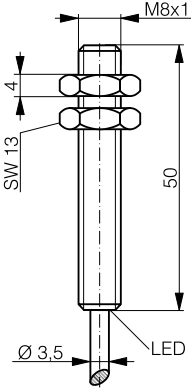
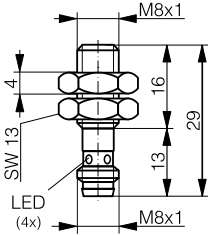
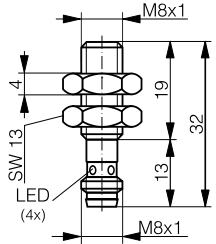
INDUCTIVE

FAMILY	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE	M8	M8	M8
OPERATING DISTANCE MM	2	2	2



DATA			
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connection	PVC cable	PVC cable	PVC cable
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	5000 Hz	5000 Hz	5000 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	DW-AD-623-M8-120	DW-AD-623-M8-121	DW-AD-623-M8-122
NPN NO	DW-AD-621-M8-120	DW-AD-621-M8-121	DW-AD-621-M8-122
Other types available	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC

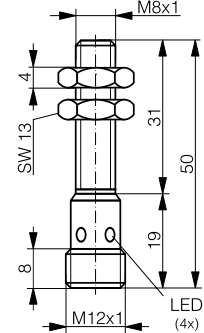
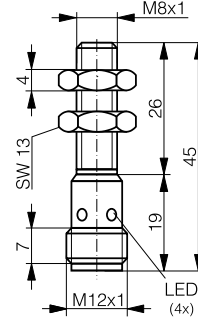
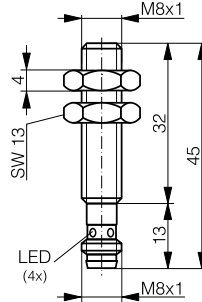
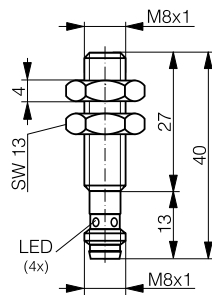
BASIC

CLASSICS	CLASSICS	CLASSICS	CLASSICS	Inductive
M8	M8	M8	M8	
2	2	2	2	
				Photoelectric
				Ultrasonic
				Capacitive
				Safety
				RFID
				Connectivity
				Accessories
				Glossary
				Index
Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	
PVC cable	PVC cable	Connector S8	Connector S8	
IP 67	IP 67	IP 67	IP 67	
Embeddable	Embeddable	Embeddable	Embeddable	
5000 Hz	5000 Hz	5000 Hz	5000 Hz	
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	
DW-AD-623-M8	DW-AD-623-M8-177	DW-AS-623-M8-129	DW-AS-623-M8-123	
DW-AD-621-M8	DW-AD-621-M8-177	DW-AS-621-M8-129	DW-AS-621-M8-123	
PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	

BASIC

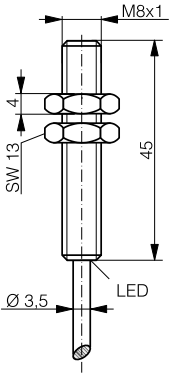
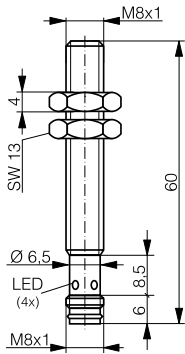
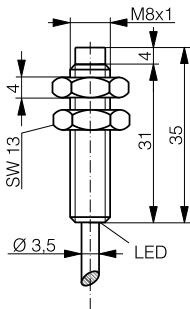
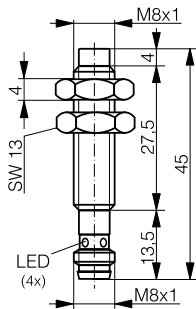
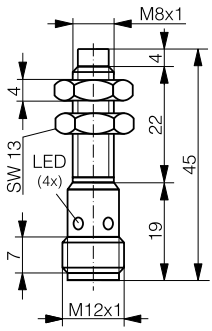
INDUCTIVE

FAMILY	CLASSICS	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE	M8	M8	M8	M8
OPERATING DISTANCE MM	2	2	2	2



DATA				
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connection	Connector S8	Connector S8	Connector S12	Connector S12
Degree of protection	IP 67	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable	Embeddable
Max. switching frequency	5000 Hz	5000 Hz	5000 Hz	5000 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25...+70°C/-13...+158°F	-25...+70°C/-13...+158°F	-25...+70°C/-13...+158°F	-25...+70°C/-13...+158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	DW-AS-623-M8-124	DW-AS-623-M8-001	DW-AS-623-M8	DW-AS-623-M8-193
NPN NO	DW-AS-621-M8-124	DW-AS-621-M8-001	DW-AS-621-M8	DW-AS-621-M8-193
Other types available	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC

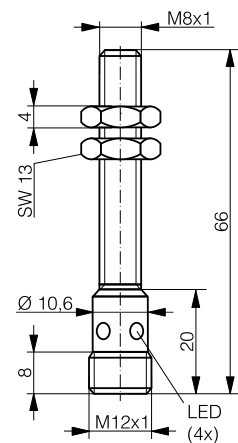
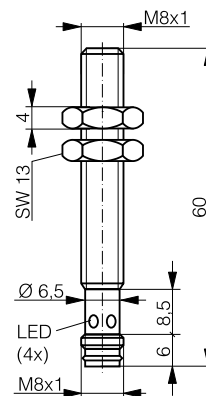
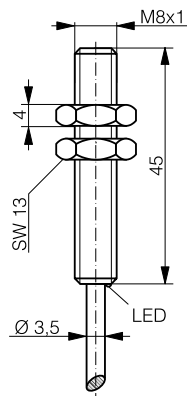
BASIC

FULL INOX	FULL INOX	CLASSICS	CLASSICS	CLASSICS	Inductive
M8	M8	M8	M8	M8	
2	2	2.5	2.5	2.5	
					Photoelectric
					Ultrasonic
					Capacitive
					Safety
					RFID
					Connectivity
					Accessories
Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	
PUR cable	Connector S8	PVC cable	Connector S8	Connector S12	
IP 68	IP 68 / IP 69K	IP 67	IP 67	IP 67	
Embeddable	Embeddable	Non-embeddable	Non-embeddable	Non-embeddable	
100 Hz	100 Hz	4500 Hz	4500 Hz	4500 Hz	
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
-25 ... +70°C/-13 ... +158°F	-25 ... +70°C/-13 ... +158°F	-25 ... +70°C/-13 ... +158°F	-25 ... +70°C/-13 ... +158°F	-25 ... +70°C/-13 ... +158°F	
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	
DW-AD-703-M8-BAS	DW-AS-703-M8-001-BAS	DW-AD-613-M8	DW-AS-613-M8-001	DW-AS-613-M8	
DW-AD-701-M8-BAS	DW-AS-701-M8-001-BAS	DW-AD-611-M8	DW-AS-611-M8-001	DW-AS-611-M8	
		PNP NC, NPN NC, lengths 22 & 30 mm	PNP NC, NPN NC, lengths 32 & 40 mm	PNP NC, NPN NC	Index

BASIC

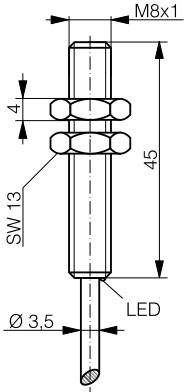
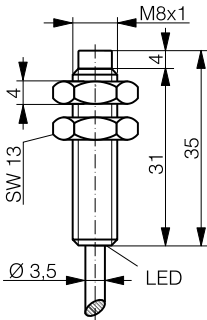
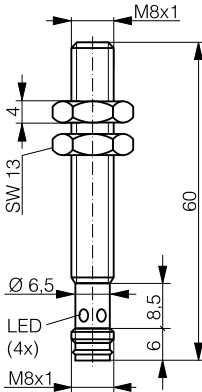
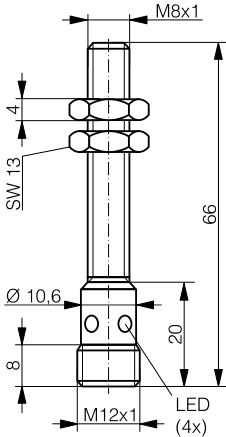
INDUCTIVE

FAMILY	EXTRA DISTANCE	EXTRA DISTANCE	EXTRA DISTANCE
HOUSING SIZE	M8	M8	M8
OPERATING DISTANCE MM	3	3	3



DATA			
Housing material	Chrome-plated nickel silver	Chrome-plated nickel silver	Chrome-plated nickel silver
Connection	PVC cable	Connector S8	Connector S12
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	1000 Hz	1000 Hz	1000 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	DW-AD-503-M8	DW-AS-503-M8-001	DW-AS-503-M8
NPN NO	DW-AD-501-M8	DW-AS-501-M8-001	DW-AS-501-M8
Other types available	PNP NC, NPN NC, length 35 mm	PNP NC, NPN NC	PNP NC, NPN NC

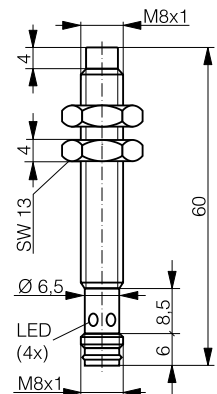
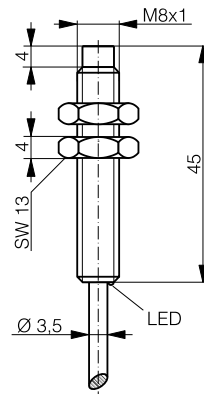
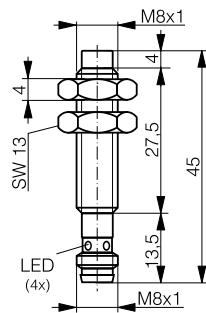
BASIC

EXTRA DISTANCE	CLASSICS	EXTRA DISTANCE	EXTRA DISTANCE	Inductive
M8	M8	M8	M8	
4	4	4	4	
				Photoelectric
				Ultrasonic
				Capacitive
				Safety
				RFID
				Connectivity
				Accessories
				Glossary
				Index
				
Chrome-plated nickel silver	Stainless steel V2A	Chrome-plated nickel silver	Chrome-plated nickel silver	
PVC cable	PVC cable	Connector S8	Connector S12	
IP 67	IP 67	IP 67	IP 67	
Embeddable	Non-embeddable	Embeddable	Embeddable	
500 Hz	3500 Hz	500 Hz	500 Hz	
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	
DW-AD-523-M8	DW-AD-633-M8	DW-AS-523-M8-001	DW-AS-523-M8	
DW-AD-521-M8	DW-AD-631-M8	DW-AS-521-M8-001	DW-AS-521-M8	
PNP NC, NPN NC, length 35 mm	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	

BASIC

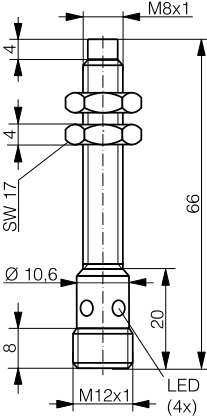
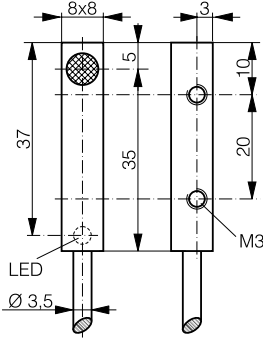
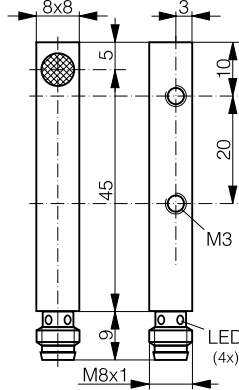
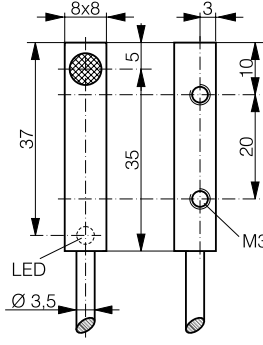
INDUCTIVE

FAMILY	CLASSICS	EXTRA DISTANCE	EXTRA DISTANCE
HOUSING SIZE	M8	M8	M8
OPERATING DISTANCE MM	4	6	6



DATA			
Housing material	Stainless steel V2A	Chrome-plated brass	Chrome-plated brass
Connection	Connector S8	PVC cable	Connector S8
Degree of protection	IP 67	IP 67	IP 67
Mounting	Non-embeddable	Non-embeddable	Non-embeddable
Max. switching frequency	3500 Hz	500 Hz	500 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	DW-AS-633-M8-001	DW-AD-513-M8	DW-AS-513-M8-001
NPN NO	DW-AS-631-M8-001	DW-AD-511-M8	DW-AS-511-M8-001
Other types available	PNP NC, NPN NC	PNP NC, NPN NC, length 35 mm	PNP NC, NPN NC

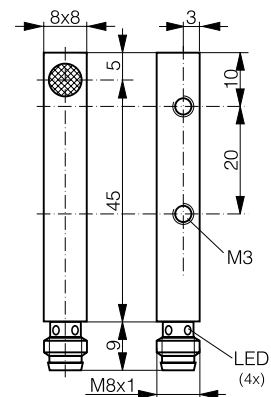
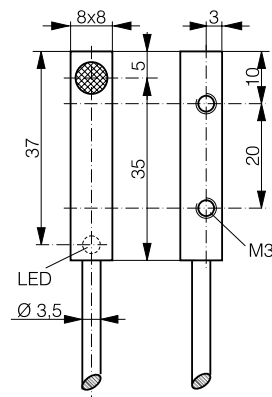
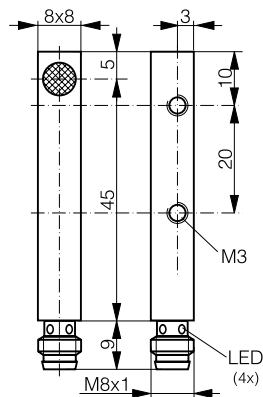
BASIC

EXTRA DISTANCE	CLASSICS	CLASSICS	CLASSICS	Inductive
M8	□ 8 x 8	□ 8 x 8	□ 8 x 8	Photoelectric
6	1.5	1.5	2	Ultrasonic
				Capacitive
				Safety
				RFID
				Connectivity
				Accessories
Chrome-plated brass	Zamak	Zamak	Zamak	Glossary
Connector S12	PVC cable	Connector S8	PVC cable	
IP 67	IP 67	IP 67	IP 67	
Non-embeddable	Embeddable	Embeddable	Embeddable	
500 Hz	3500 Hz	3500 Hz	5000 Hz	Index
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	
DW-AS-513-M8	DW-AD-603-C8	DW-AS-603-C8-001	DW-AD-623-C8	
DW-AS-511-M8	DW-AD-601-C8	DW-AS-601-C8-001	DW-AD-621-C8	
PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	

BASIC

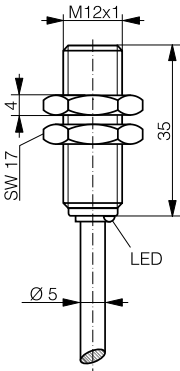
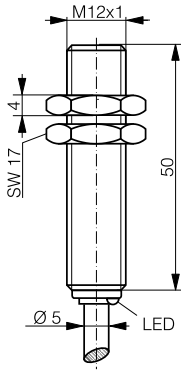
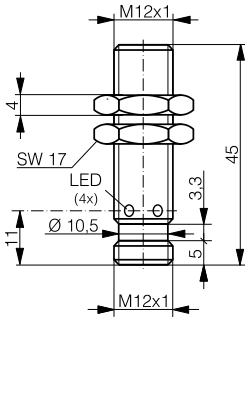
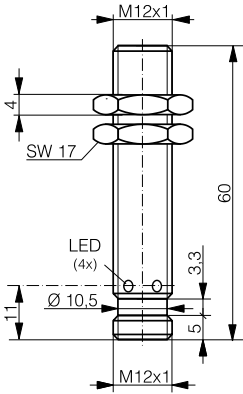
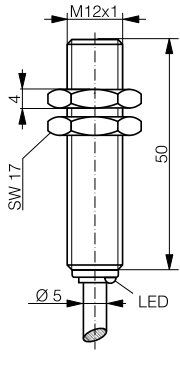
INDUCTIVE

FAMILY	CLASSICS	EXTRA DISTANCE	EXTRA DISTANCE
HOUSING SIZE	 8 x 8	 8 x 8	 8 x 8
OPERATING DISTANCE MM	2	3	3



DATA			
Housing material	Zamak	Zamak	Zamak
Connection	Connector S8	PVC cable	Connector S8
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Quasi-embeddable	Quasi-embeddable
Max. switching frequency	5000 Hz	1000 Hz	1000 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	DW-AS-623-C8-001	DW-AD-503-C8	DW-AS-503-C8
NPN NO	DW-AS-621-C8-001	DW-AD-501-C8	DW-AS-501-C8
Other types available	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC

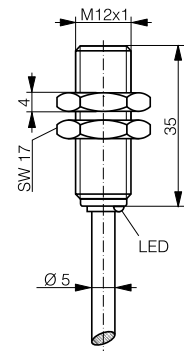
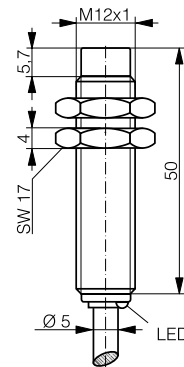
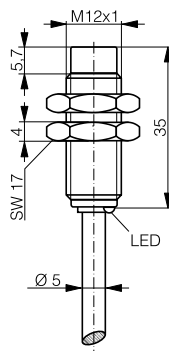
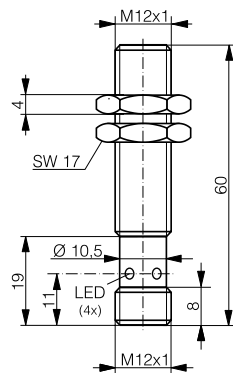
BASIC

CLASSICS	CLASSICS	CLASSICS	CLASSICS	FULL INOX	Inductive
M12	M12	M12	M12	M12	
2	2	2	2	3	
					Photoelectric
					Ultrasonic
					Capacitive
					Safety
					RFID
					Connectivity
					Accessories
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Stainless steel V2A	
PVC cable	PVC cable	Connector S12	Connector S12	PUR cable	
IP 67	IP 67	IP 67	IP 67	IP 68	
Embeddable	Embeddable	Embeddable	Embeddable	Embeddable	
3000 Hz	3000 Hz	3000 Hz	3000 Hz	100 Hz	
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
-25 ... +70°C/-13 ... +158°F	-25 ... +70°C/-13 ... +158°F	-25 ... +70°C/-13 ... +158°F	-25 ... +70°C/-13 ... +158°F	-25 ... +70°C/-13 ... +158°F	
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	
DW-AD-603-M12-120	DW-AD-603-M12	DW-AS-603-M12-120	DW-AS-603-M12	DW-AD-703-M12-BAS	
DW-AD-601-M12-120	DW-AD-601-M12	DW-AS-601-M12-120	DW-AS-601-M12	DW-AD-701-M12-BAS	
PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC		

BASIC

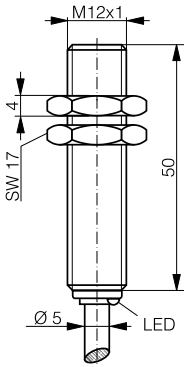
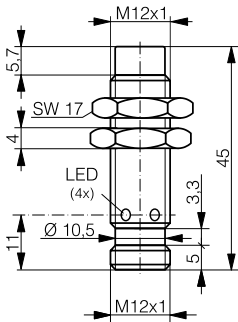
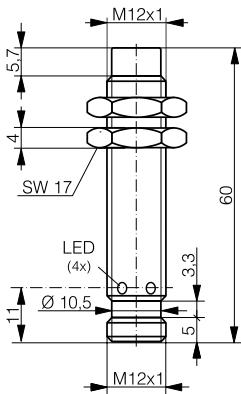
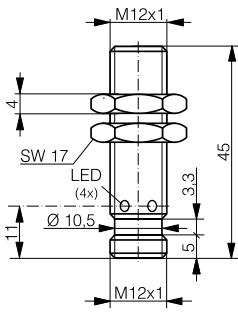
INDUCTIVE

FAMILY	FULL INOX	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE	M12	M12	M12	M12
OPERATING DISTANCE MM	3	4	4	4



DATA				
Housing material	Stainless steel V2A	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Connection	Connector S12	PVC cable	PVC cable	PVC cable
Degree of protection	IP 68 & IP 69K	IP 67	IP 67	IP 67
Mounting	Embeddable	Non-embeddable	Non-embeddable	Embeddable
Max. switching frequency	100 Hz	2000 Hz	2000 Hz	2500 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25...+70°C/-13...+158°F	-25...+70°C/-13...+158°F	-25...+70°C/-13...+158°F	-25...+70°C/-13...+158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	DW-AS-703-M12-BAS	DW-AD-613-M12-120	DW-AD-613-M12	DW-AD-623-M12-120
NPN NO	DW-AS-701-M12-BAS	DW-AD-611-M12-120	DW-AD-611-M12	DW-AD-621-M12-120
Other types available		PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC

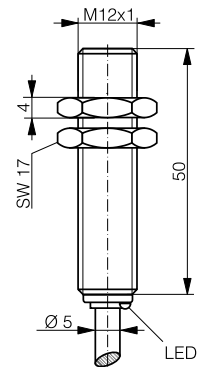
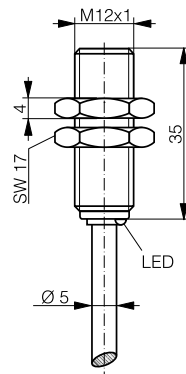
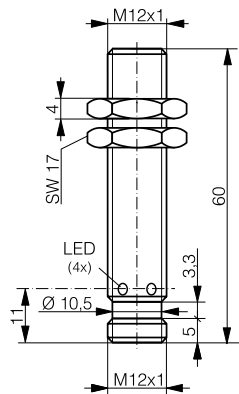
BASIC

CLASSICS	CLASSICS	CLASSICS	CLASSICS	Inductive
M12	M12	M12	M12	Photoelectric
4	4	4	4	Ultrasonic
				Capacitive
				Safety
				RFID
				Connectivity
				Accessories
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Glossary
PVC cable	Connector S12	Connector S12	Connector S12	
IP 67	IP 67	IP 67	IP 67	
Embeddable	Non-embeddable	Non-embeddable	Embeddable	
2500 Hz	2000 Hz	2000 Hz	2500 Hz	
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	
DW-AD-623-M12	DW-AS-613-M12-120	DW-AS-613-M12	DW-AS-623-M12-120	Index
DW-AD-621-M12	DW-AS-611-M12-120	DW-AS-611-M12	DW-AS-621-M12-120	
PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	

BASIC

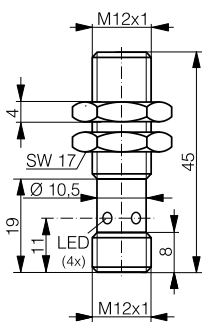
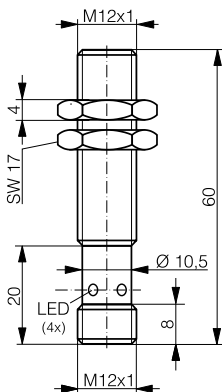
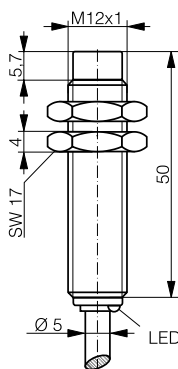
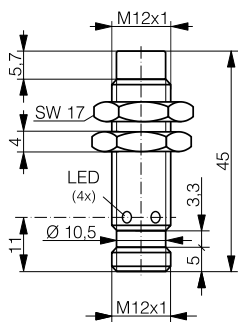
INDUCTIVE

FAMILY	CLASSICS	EXTRA DISTANCE	EXTRA DISTANCE
HOUSING SIZE	M12	M12	M12
OPERATING DISTANCE MM	4	6	6



DATA			
Housing material	Nickel-plated brass	Chrome-plated brass	Chrome-plated brass
Connection	Connector S12	PVC cable	PVC cable
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Quasi-embeddable	Quasi-embeddable
Max. switching frequency	2500 Hz	800 Hz	800 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	DW-AS-623-M12	DW-AD-503-M12-120	DW-AD-503-M12
NPN NO	DW-AS-621-M12	DW-AD-501-M12-120	DW-AD-501-M12
PNP NC	DW-AS-624-M12		
Other types available	NPN NC	PNP NC, NPN NC	PNP NC, NPN NC

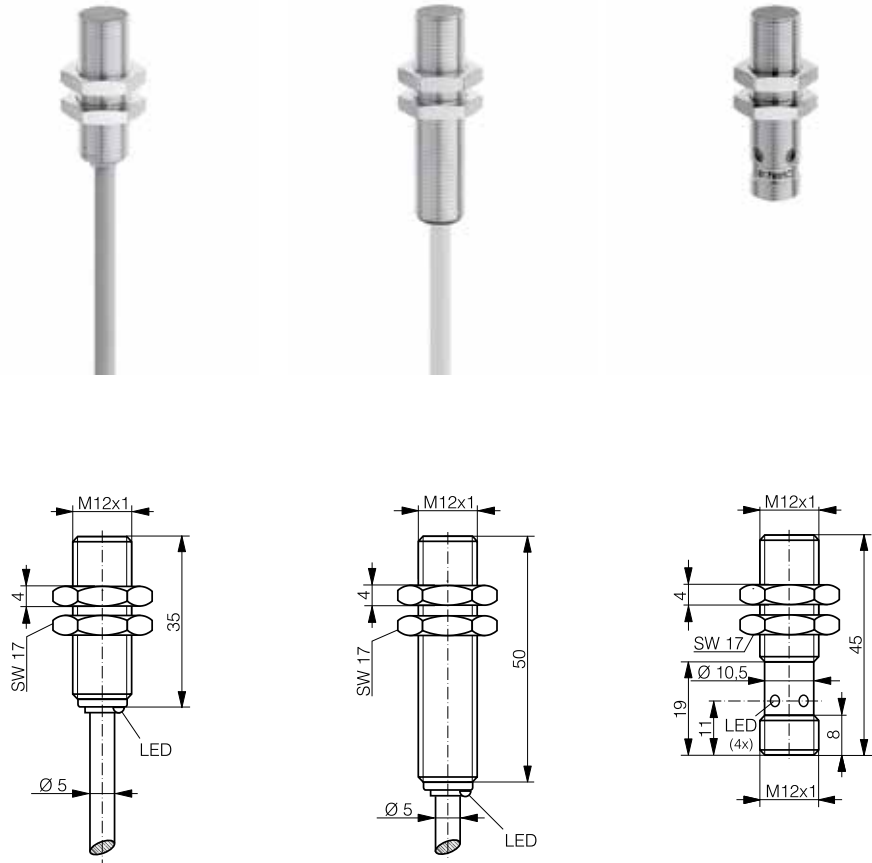
BASIC

EXTRA DISTANCE		EXTRA DISTANCE		CLASSICS		CLASSICS		Inductive
M12		M12		M12		M12		
6		6		8		8		Photoelectric
								
								Capacitive
								RFID
								Accessories
Chrome-plated brass		Chrome-plated brass		Nickel-plated brass		Nickel-plated brass		
Connector S12		Connector S12		PVC cable		Connector S12		
IP 67		IP 67		IP 67		IP 67		
Quasi-embeddable		Quasi-embeddable		Non-embeddable		Non-embeddable		
800 Hz		800 Hz		1400 Hz		1400 Hz		
10 ... 30 VDC		10 ... 30 VDC		10 ... 30 VDC		10 ... 30 VDC		
-25 ... +70°C / -13 ... +158°F		-25 ... +70°C / -13 ... +158°F		-25 ... +70°C / -13 ... +158°F		-25 ... +70°C / -13 ... +158°F		
≤ 200 mA		≤ 200 mA		≤ 200 mA		≤ 200 mA		
DW-AS-503-M12-120		DW-AS-503-M12		DW-AD-633-M12		DW-AS-633-M12-120		Index
DW-AS-501-M12-120		DW-AS-501-M12		DW-AD-631-M12		DW-AS-631-M12-120		
		DW-AS-504-M12		DW-AD-634-M12		DW-AS-634-M12-120		
PNP NC, NPN NC		NPN NC		NPN NC, length 35 mm		NPN NC, length 60 mm		

BASIC

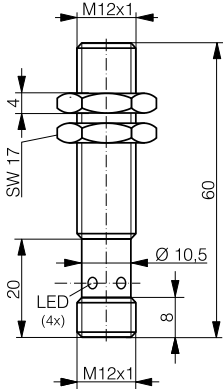
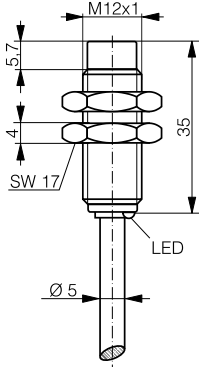
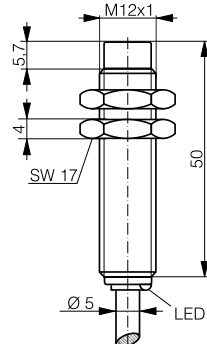
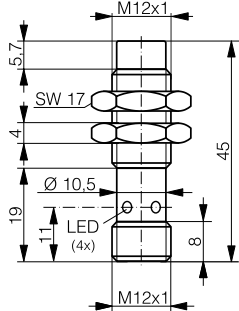
INDUCTIVE

FAMILY	EXTRA DISTANCE	EXTRA DISTANCE	EXTRA DISTANCE
HOUSING SIZE	M12	M12	M12
OPERATING DISTANCE MM	8	8	8



DATA			
Housing material	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connection	PVC cable	PVC cable	Connector S12
Degree of protection	IP 67	IP 67	IP 67
Mounting	Quasi-embeddable	Quasi-embeddable	Quasi-embeddable
Max. switching frequency	400 Hz	400 Hz	400 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	DW-AD-523-M12-120	DW-AD-523-M12	DW-AS-523-M12-120
NPN NO	DW-AD-521-M12-120	DW-AD-521-M12	DW-AS-521-M12-120
Other types available	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC

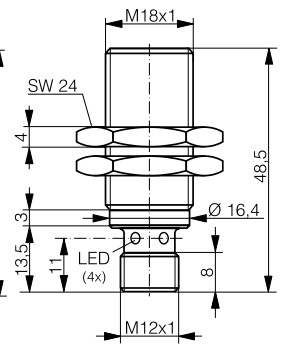
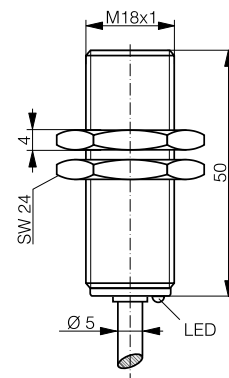
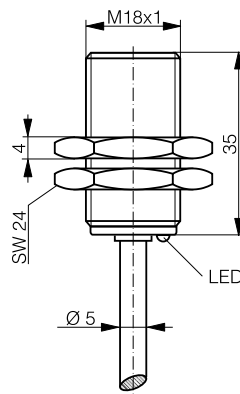
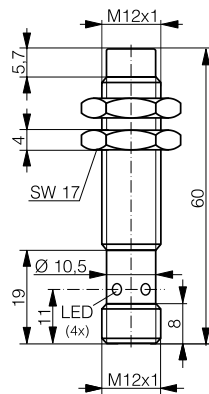
BASIC

EXTRA DISTANCE	EXTRA DISTANCE	EXTRA DISTANCE	EXTRA DISTANCE	Inductive
M12	M12	M12	M12	
8	10	10	10	Photoelectric
				Ultrasonic
				Capacitive
				Safety
				RFID
				Connectivity
				Accessories
Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Glossary
Connector S12	PVC cable	PVC cable	Connector S12	
IP 67	IP 67	IP 67	IP 67	
Quasi-embeddable	Non-embeddable	Non-embeddable	Non-embeddable	
400 Hz	400 Hz	400 Hz	400 Hz	
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	
DW-AS-523-M12	DW-AD-513-M12-120	DW-AD-513-M12	DW-AS-513-M12-120	Index
DW-AS-521-M12	DW-AD-511-M12-120	DW-AD-511-M12	DW-AS-511-M12-120	
PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	

BASIC

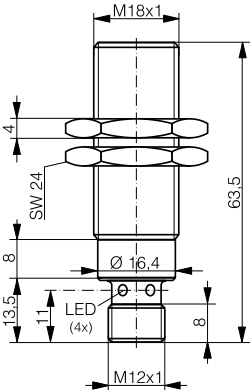
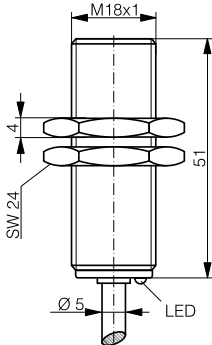
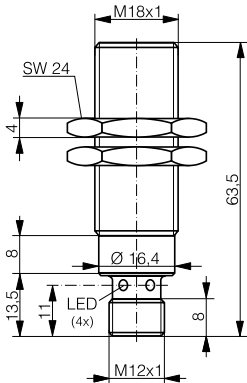
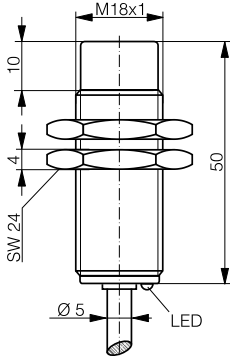
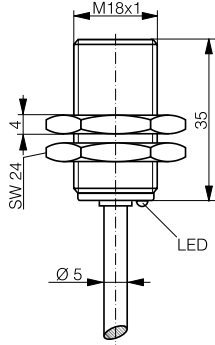
INDUCTIVE

FAMILY	EXTRA DISTANCE	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE	M12	M18	M18	M18
OPERATING DISTANCE MM	10	5	5	5



DATA				
Housing material	Chrome-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Connection	Connector S12	PVC cable	PVC cable	Connector S12
Degree of protection	IP 67	IP 67	IP 67	IP 67
Mounting	Non-embeddable	Embeddable	Embeddable	Embeddable
Max. switching frequency	400 Hz	2000 Hz	2000 Hz	2000 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25...+70°C/-13...+158°F	-25...+70°C/-13...+158°F	-25...+70°C/-13...+158°F	-25...+70°C/-13...+158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	DW-AS-513-M12	DW-AD-603-M18-120	DW-AD-603-M18	DW-AS-603-M18-120
NPN NO	DW-AS-511-M12	DW-AD-601-M18-120	DW-AD-601-M18	DW-AS-601-M18-120
PNP NC	DW-AS-514-M12		DW-AD-604-M18	
Other types available	NPN NC	PNP NC, NPN NC	NPN NC	PNP NC, NPN NC

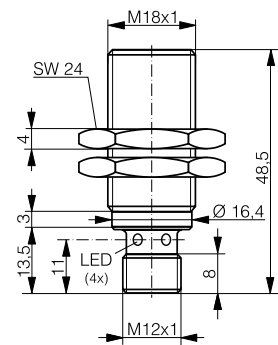
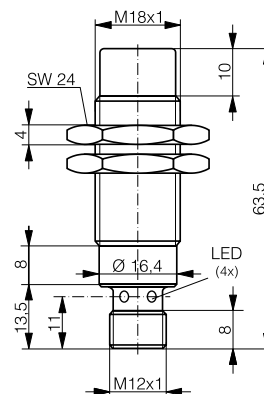
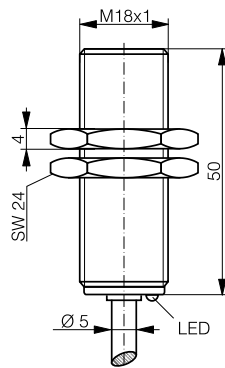
BASIC

CLASSICS	FULL INOX	FULL INOX	CLASSICS	CLASSICS	Inductive
M18	M18	M18	M18	M18	
5	5	5	8	8	
					Photoelectric
					Ultrasonic
					Capacitive
					Safety
					RFID
					Connectivity
					Accessories
Nickel-plated brass	Stainless steel V2A	Stainless steel V2A	Nickel-plated brass	Nickel-plated brass	
Connector S12	PUR cable	Connector S12	PVC cable	PVC cable	
IP 67	IP 68	IP 68 & IP 69K	IP 67	IP 67	
Embeddable	Embeddable	Embeddable	Non-embeddable	Quasi-embeddable	
2000 Hz	100 Hz	100 Hz	2000 Hz	1500 Hz	
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
-25 ... +70°C/-13 ... +158°F	-25 ... +70°C/-13 ... +158°F	-25 ... +70°C/-13 ... +158°F	-25 ... +70°C/-13 ... +158°F	-25 ... +70°C/-13 ... +158°F	
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	
DW-AS-603-M18-002	DW-AD-703-M18-BAS	DW-AS-703-M18-BAS	DW-AD-613-M18	DW-AD-623-M18-120	
DW-AS-601-M18-002	DW-AD-701-M18-BAS	DW-AS-701-M18-BAS	DW-AD-611-M18	DW-AD-621-M18-120	
DW-AS-604-M18-002					
NPN NC			PNP NC, NPN NC	PNP NC, NPN NC	

BASIC

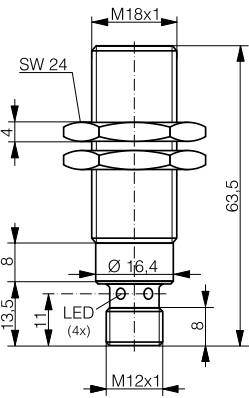
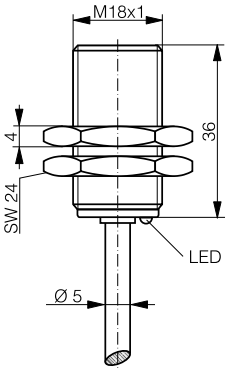
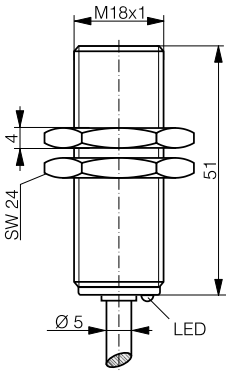
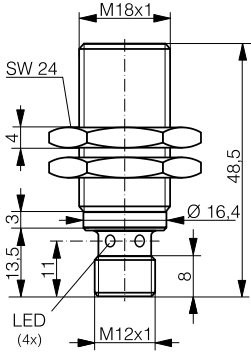
INDUCTIVE

FAMILY	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE	M18	M18	M18
OPERATING DISTANCE MM	8	8	8



DATA			
Housing material	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Connection	PVC cable	Connector S12	Connector S12
Degree of protection	IP 67	IP 67	IP 67
Mounting	Quasi-embeddable	Non-embeddable	Embeddable
Max. switching frequency	1500 Hz	2000 Hz	1500 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	DW-AD-623-M18	DW-AS-613-M18-002	DW-AS-623-M18-120
NPN NO	DW-AD-621-M18	DW-AS-611-M18-002	DW-AS-621-M18-120
PNP NC		DW-AS-614-M18-002	
Other types available	PNP NC, NPN NC	NPN NC	PNP NC, NPN NC

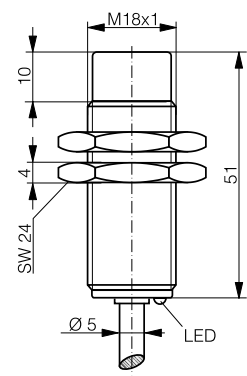
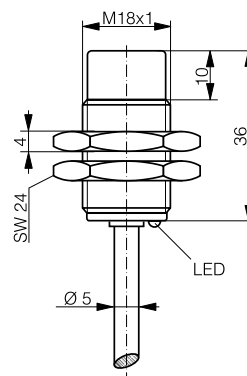
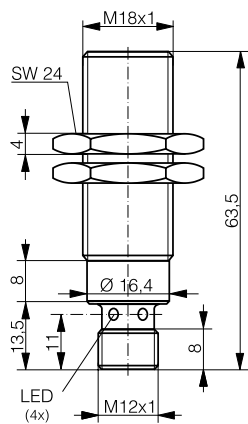
BASIC

CLASSICS	EXTRA DISTANCE	EXTRA DISTANCE	EXTRA DISTANCE	Inductive
M18	M18	M18	M18	
8	12	12	12	
				Photoelectric
				Ultrasonic
				Capacitive
				Safety
				RFID
				Connectivity
				Accessories
Nickel-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	
Connector S12	PVC cable	PVC cable	Connector S12	
IP 67	IP 67	IP 67	IP 67	
Embeddable	Quasi-embeddable	Quasi-embeddable	Quasi-embeddable	
1500 Hz	500 Hz	500 Hz	500 Hz	
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	
DW-AS-623-M18-002	DW-AD-503-M18-120	DW-AD-503-M18	DW-AS-503-M18-120	
DW-AS-621-M18-002	DW-AD-501-M18-120	DW-AD-501-M18	DW-AS-501-M18-120	
DW-AS-624-M18-002				
NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	

BASIC

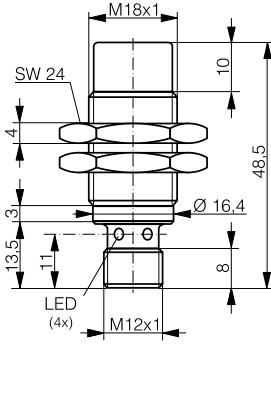
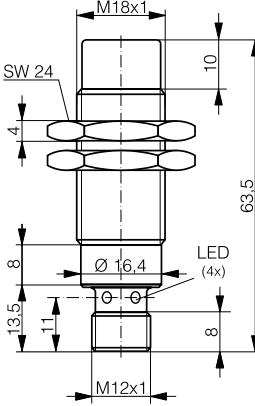
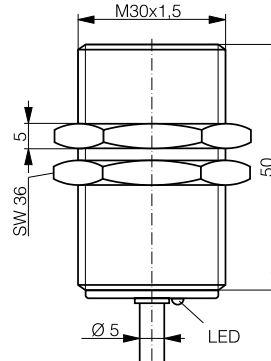
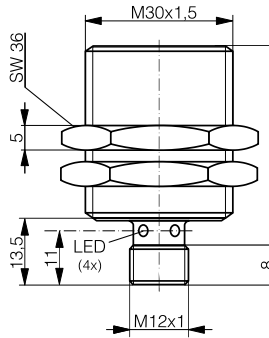
INDUCTIVE

FAMILY	EXTRA DISTANCE	EXTRA DISTANCE	EXTRA DISTANCE
HOUSING SIZE	M18	M18	M18
OPERATING DISTANCE MM	12	20	20



DATA			
Housing material	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connection	Connector S12	PVC cable	PVC cable
Degree of protection	IP 67	IP 67	IP 67
Mounting	Quasi-embeddable	Non-embeddable	Non-embeddable
Max. switching frequency	500 Hz	200 Hz	200 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	DW-AS-503-M18-002	DW-AD-513-M18-120	DW-AD-513-M18
NPN NO	DW-AS-501-M18-002	DW-AD-511-M18-120	DW-AD-511-M18
PNP NC	DW-AS-504-M18-002		DW-AD-514-M18
Other types available	NPN NC	PNP NC, NPN NC	NPN NC

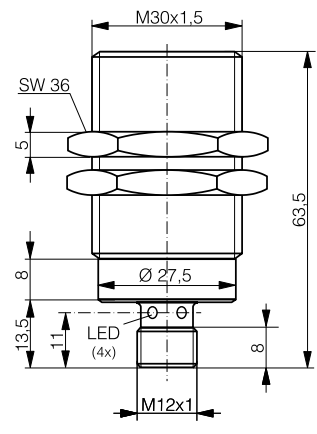
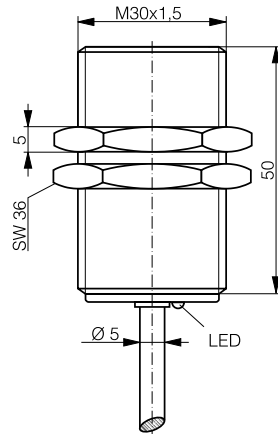
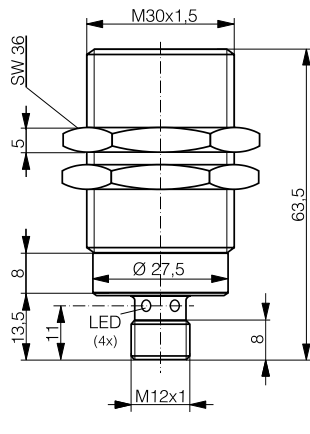
BASIC

EXTRA DISTANCE		EXTRA DISTANCE		CLASSICS		CLASSICS		Inductive		
M18		M18		M30		M30				
20		20		10		10		Photoelectric		
									Ultrasonic	
										Capacitive
								RFID		
									Connectivity	
										Accessories
Chrome-plated brass		Chrome-plated brass		Nickel-plated brass		Nickel-plated brass				
Connector S12		Connector S12		PVC cable		Connector S12				
IP 67		IP 67		IP 67		IP 67				
Non-embeddable		Non-embeddable		Embeddable		Embeddable		Index		
200 Hz		200 Hz		1200 Hz		1200 Hz				
10 ... 30 VDC		10 ... 30 VDC		10 ... 30 VDC		10 ... 30 VDC				
-25 ... +70°C / -13 ... +158°F		-25 ... +70°C / -13 ... +158°F		-25 ... +70°C / -13 ... +158°F		-25 ... +70°C / -13 ... +158°F				
≤ 200 mA		≤ 200 mA		≤ 200 mA		≤ 200 mA				
DW-AS-513-M18-120		DW-AS-513-M18-002		DW-AD-603-M30		DW-AS-603-M30-120				
DW-AS-511-M18-120		DW-AS-511-M18-002		DW-AD-601-M30		DW-AS-601-M30-120				
		DW-AS-514-M18-002								
PNP NC, NPN NC		NPN NC		PNP NC, NPN NC		PNP NC, NPN NC				

BASIC

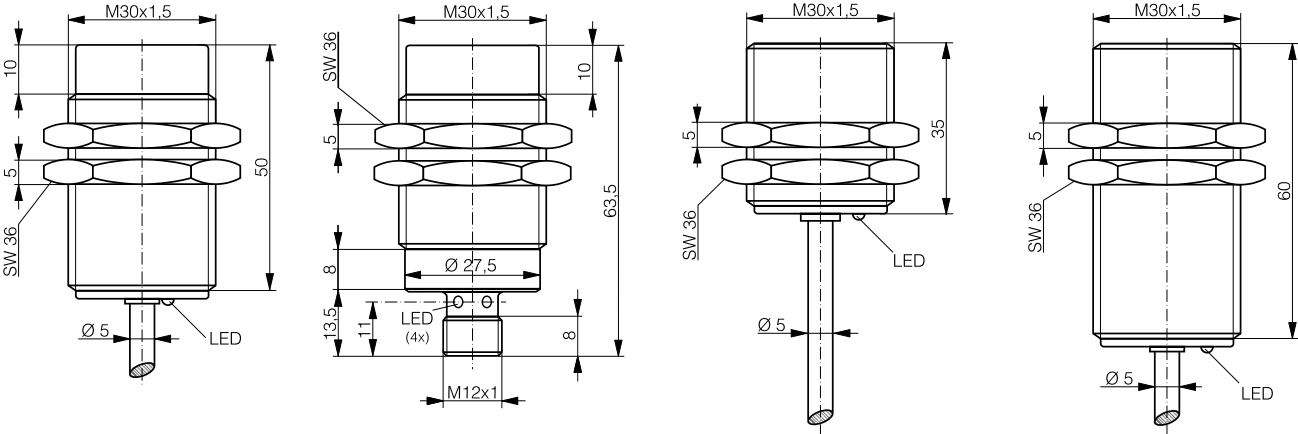
INDUCTIVE

FAMILY	CLASSICS	FULL INOX	FULL INOX
HOUSING SIZE	M30	M30	M30
OPERATING DISTANCE MM	10	10	10



DATA			
Housing material	Nickel-plated brass	Stainless steel V2A	Stainless steel V2A
Connection	Connector S12	PUR cable	Connector S12
Degree of protection	IP 67	IP 68	IP 68 & IP 69K
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	1200 Hz	50 Hz	50 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	DW-AS-603-M30-002	DW-AS-703-M30-BAS	DW-AD-703-M30-BAS
NPN NO	DW-AS-601-M30-002	DW-AS-701-M30-BAS	DW-AD-701-M30-BAS
PNP NC			
Other types available	PNP NC, NPN NC		

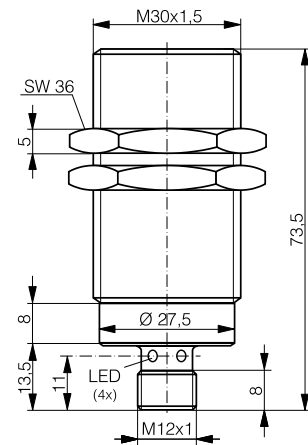
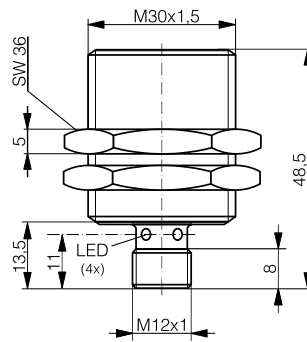
BASIC

CLASSICS	CLASSICS	EXTRA DISTANCE	EXTRA DISTANCE	Inductive
M30	M30	M30	M30	
15	15	22	22	
				Photoelectric
				Ultrasonic
				Capacitive
				Safety
				RFID
				Connectivity
				Accessories
Nickel-plated brass	Nickel-plated brass	Chrome-plated brass	Chrome-plated brass	
PVC cable	Connector S12	PVC cable	PVC cable	
IP 67	IP 67	IP 67	IP 67	
Non-embeddable	Non-embeddable	Quasi-embeddable	Quasi-embeddable	
700 Hz	700 Hz	200 Hz	200 Hz	
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	
DW-AD-613-M30	DW-AS-613-M30-002	DW-AD-503-M30-120	DW-AD-503-M30	
DW-AD-611-M30	DW-AS-611-M30-002	DW-AD-501-M30-120	DW-AD-501-M30	
			DW-AD-504-M30	
PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	NPN NC	

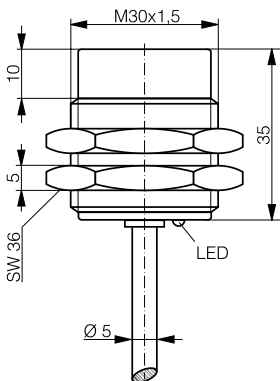
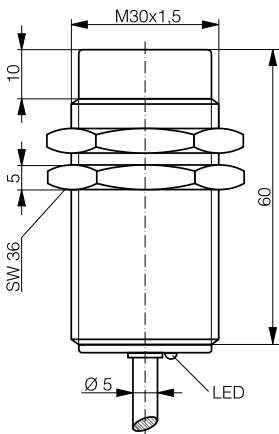
BASIC

INDUCTIVE

FAMILY	EXTRA DISTANCE	EXTRA DISTANCE
HOUSING SIZE	M30	M30
OPERATING DISTANCE MM	22	22



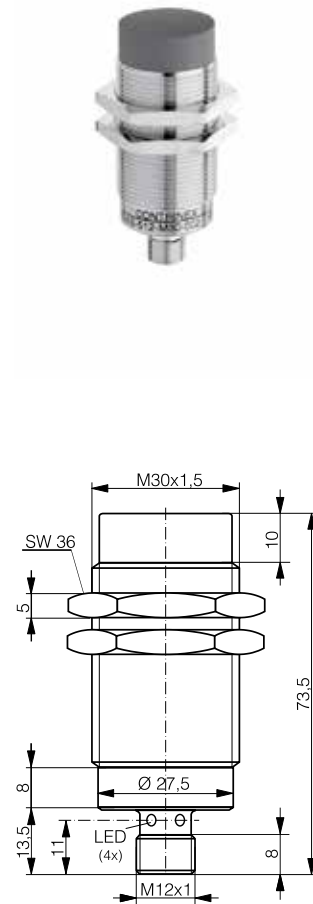
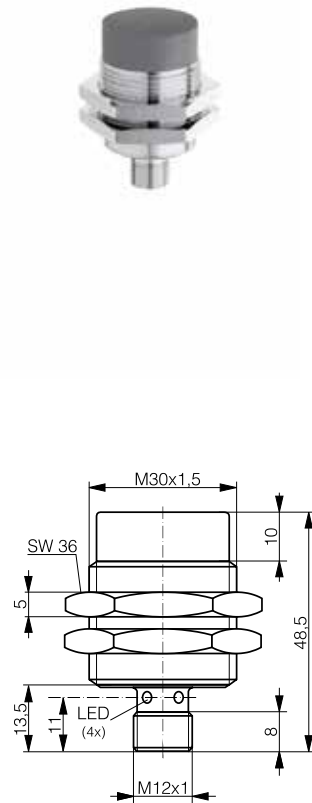
DATA		
Housing material	Chrome-plated brass	Chrome-plated brass
Connection	Connector S12	Connector S12
Degree of protection	IP 67	IP 67
Mounting	Quasi-embeddable	Quasi-embeddable
Max. switching frequency	200 Hz	200 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
Output current	≤ 200 mA	≤ 200 mA
PNP NO	DW-AS-503-M30-120	DW-AS-503-M30-002
NPN NO	DW-AS-501-M30-120	DW-AS-501-M30-002
PNP NC		DW-AS-504-M30-002
Other types available	PNP NC, NPN NC	NPN NC

EXTRA DISTANCE		EXTRA DISTANCE		Inductive		
M30		M30			Photoelectric	
40		40				Ultrasonic
						
				Safety		
					RFID	
						Connectivity
Chrome-plated brass		Chrome-plated brass		Glossary		
PVC cable		PVC cable			Index	
IP 67		IP 67				
Non-embeddable		Non-embeddable				
100 Hz		100 Hz				
10 ... 30 VDC		10 ... 30 VDC				
-25 ... +70°C / -13 ... +158°F		-25 ... +70°C / -13 ... +158°F				
≤ 200 mA		≤ 200 mA				
DW-AD-513-M30-120		DW-AD-513-M30				
DW-AD-511-M30-120		DW-AD-511-M30				
PNP NC, NPN NC		PNP NC, NPN NC				

BASIC

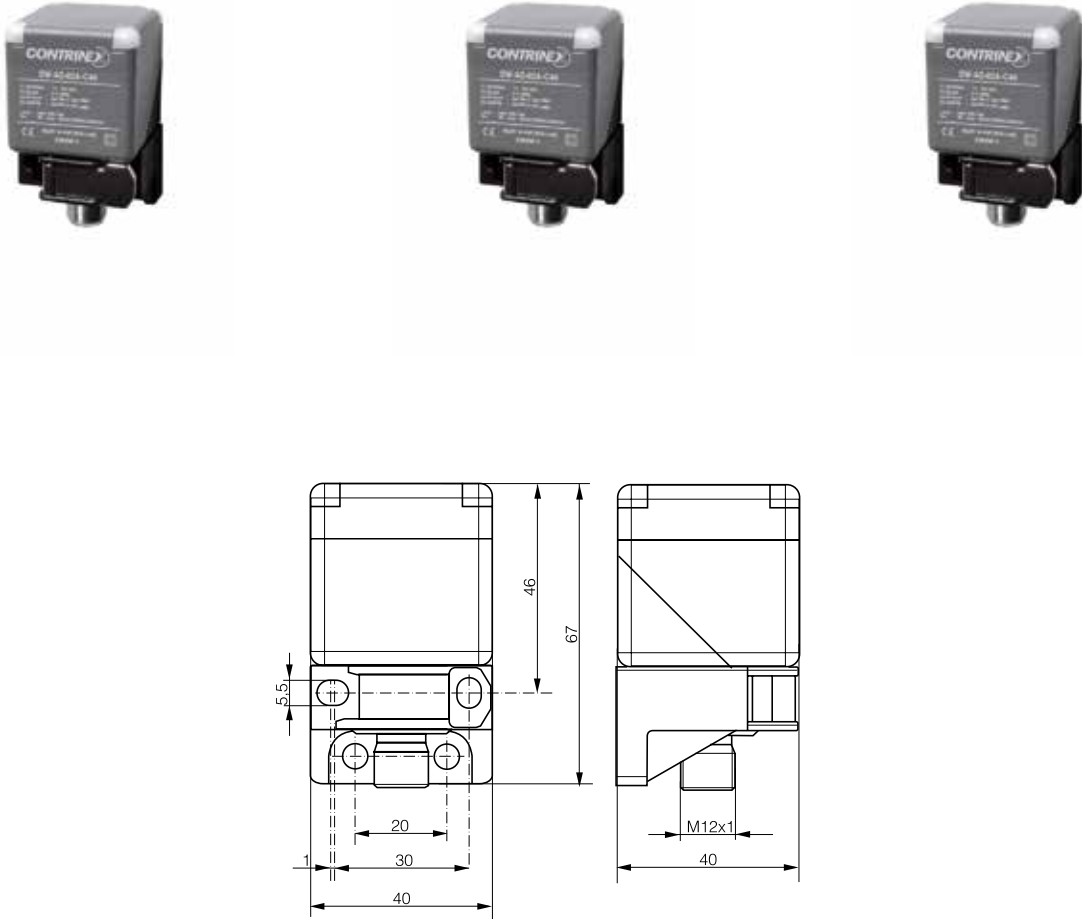
INDUCTIVE

FAMILY	EXTRA DISTANCE	EXTRA DISTANCE
HOUSING SIZE MM	M30	M30
OPERATING DISTANCE MM	40	40



DATA		
Housing material	Chrome-plated brass	Chrome-plated brass
Connection	Connector S12	Connector S12
Degree of protection	IP 67	IP 67
Mounting	Non-embeddable	Non-embeddable
Max. switching frequency	100 Hz	100 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
Output current	≤ 200 mA	≤ 200 mA
PNP NO	DW-AS-513-M30-120	DW-AS-513-M30-002
NPN NO	DW-AS-511-M30-120	DW-AS-511-M30-002
PNP NC		DW-AS-514-M30-002
PNP NO + NC		
NPN NO + NC		
Other types available	PNP NC, NPN NC	NPN NC

BASIC

CLASSICS			Inductive
□ 40 x 40	□ 40 x 40	□ 40 x 40	
15	20	30	
			Photoelectric
			Ultrasonic
			Capacitive
			Safety
			RFID
			Connectivity
PA GF	PA GF	PA GF	Accessories
Connector S12	Connector S12	Connector S12	
IP 68 / IP 69K	IP 68 / IP 69K	IP 68 / IP 69K	Glossary
Embeddable	Embeddable	Non-embeddable	
100 Hz	100 Hz	100 Hz	Index
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
-25 ... +85°C / -13 ... +185°F	-25 ... +85°C / -13 ... +185°F	-25 ... +85°C / -13 ... +185°F	
≤ 200 mA	≤ 200 mA	≤ 200 mA	
DW-AS-60A-C44	DW-AS-62A-C44	DW-AS-61A-C44	
DW-AS-60B-C44	DW-AS-62B-C44	DW-AS-61B-C44	

BASIC

FAMILY

CLASSICS

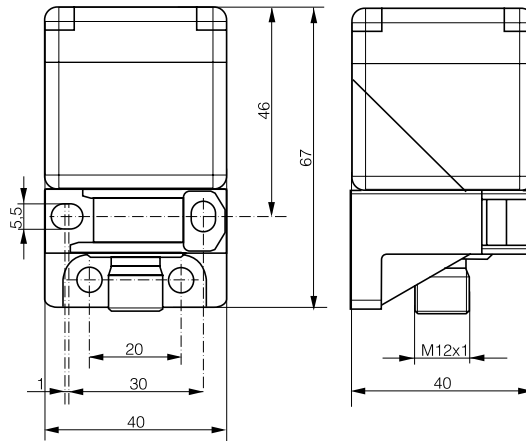
HOUSING SIZE MM

□ 40 x 40

OPERATING DISTANCE MM

40

INDUCTIVE



DATA

Housing material

PA GF

Connection

Connector S12

Degree of protection

IP 68 / IP 69K

Mounting

Non-embeddable

Max. switching frequency

100 Hz

Supply voltage range

10 ... 30 VDC

Ambient temperature range

-25 ... +85°C / -13 ... +185°F

Output current

≤ 200 mA

PNP NO + NC

DW-AS-63A-C44

NPN NO + NC

DW-AS-63B-C44

Other types available